## UTILITY PATENT APPLICATION

Attorney Docket No. SON-2924 Kou Nagata First Inventor SEMICONDUCTOR MEMORY DEVICE, REPAIR SEARCH Title METHOD, AND SELF-REPAIR METHOD

TRANSMITTAL (Only for new nonprovisional applications under 37 CFR 1.53(b)) Express Mail Label No. MS Patent Application APPLICATION ELEMENTS Commissioner for Patents ADDRESS TO: P.O. Box 1450 See MPEP chapter 600 concerning utility patent application contents. Alexandria, VA 22313-1450 Fee Transmittal Form (e.g., PTO/SB/17) (Submit an original, and a duplicate for fee processing) CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix) Applicant claims small entity status. Nucleotide and/or Amino Acid Sequence Submission 8. See 37 CFR 1.27. (if applicable, all necessary) 3. x | Specification [Total Pages Computer Readable Form (CRF) (preferred arrangement set forth below) Specification Sequence Listing on: Descriptive title of the invention
 Cross Reference to Related Applications CD-ROM or CD-R (2 copies); or Paper Statement Regarding Fed sponsored R & D
 Reference to sequence listing, a table, Statements verifying identity of above copies C. or a computer program listing appendix

Background of the Invention **ACCOMPANYING APPLICATION PARTS**  Brief Summary of the Invention
 Brief Description of the Drawings (if filed) 9 Assignment Papers (cover sheet & document(s)) Detailed Description - Claim(s) 37 CFR 3.73(b) Statement Power of 10. - Abstract of the Disclosure (when there is an assignee) Attorney 4. X Drawing(s) (35 U.S.C. 113) [Total Sheets 13 11. English Translation Document (if applicable) Information Disclosure Copies of IDS 5. Oath or Declaration [Total Sheets 2 12. Statement (IDS)/PTO-1449 Citations Newly executed (original or copy) 13. **Preliminary Amendment** Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional with Box 18 completed) Return Receipt Postcard (MPEP 503) 14 (Should be specifically itemized) Certified Copy of Priority Document(s) 15. **DELETION OF INVENTOR(S)** (if foreign priority is claimed) Signed statement attached deleting inventor(s) named in the prior application, Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). 16. see 37 CFR 1.63(d)(2) and 1.33(b). Applicant must attach form PTO/SB/35 or its equivalent. 17. Other: Application Data Sheet. See 37 CFR 1.76 18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 CFR 1.76: Continuation Divisional Continuation-in-part (CIP) of prior application No.: Prior application information: Examiner Art Unit: For CONTINUATION OR DIVISIONAL APPS only: The entire disciosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts. 19. CORRESPONDENCE ADDRESS X Customer Number: 23353 Correspondence address below RADER, FISHMAN & GRAUER PLLC Name Ronald P. Kananen 1233 20th Street, N.W. Address Suite 501 Citv Washington DC Zip Code State 20036 Telephone (202) 955-3750 Fax (202) 955-3751 Country

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Name (Print/Type) Ronald/Pl. Kananen Registration	on No. (Attorney/Agent)	24,104		
Signature	Date	February 10, 2004		

PTO/SB/17 (08-03)

Approved for use through 07/31/2006. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

FEE TRANSMITTAL			Application Number Not Yet Assigned					
for FY 2003		Filing Date				February 10, 2004		
First Named Inventor		ntor F	Kou Nagata					
Effective 01/01/2003, Patent fees are subject to annual revision.  Examiner Name			1	Not Yet Assigned				
Applicant claims small entity status. See 37 CFR 1.27 Art Unit				N/A				
TOTAL AMOUNT OF PAYMENT (\$) 928.00 Attorney Docket No.			) 5	SON-2924				
METHOD OF PAYMENT (check all that apply)	FEE CALCULATION (continued)							
Check Credit Money Other None  X Deposit Account:	3. ADDITIONAL FEES							
Deposit	Large Entity Small Entity			-				
Account Number 18-0013	Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description Fee Paid			Fee Paid
Deposit Dedos Fishers & Craves BLLC	1051	130	2051	65	Surcharge – late filing fee or oath			
Account Name Rader, Fishman & Grauer PLLC	1052	Surchargo			_	onal filing fee or cover		
The Director is authorized to: (check all that apply)	1052	30	2032	23	sheet.			
X Charge fee(s) indicated below X Credit any overpayments	1053	130	1053	130	Non-English	specification	n	
Charge any additional fee(s) during the pendency of this application	1812	2,520	1812	2,520	For filing a red	quest for ex p	parte reexamination	
	1804	920°	1804	920*	Requesting p		of SIR prior to	
Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.	1805	Examiner a 1805 1840* Requesting			Requesting p	publication o	of SIR after	
FEE CALCULATION	1251	110	2251	55	Examiner ac Extension fo		n first month	
1. BASIC FILING FEE	1252	410	2252	205			n second month	
Large Entity Small Entity	1253	930	2253	465	Extension fo			
Fee Fee Fee Fee Fee Description Fee Paid	1254	1,450	2254	725	Extension fo	r reply within	n fourth month	
Code         (\$)         Code         (\$)           1001         770         2001         385         Utility filing fee         770.00	1255	1,970	2255	985	Extension fo	r reply within	n fifth month	
1002 330 2002 165 Design filing fee	1401	320	2401	160	Notice of Ap			
1003 520 2003 260 Plant filing fee	1402	320	2402	160	Filing a brief	in support o	of an appeal	
1004 750 2004 375 Reissue filing fee	1403	280	2403	140	Request for	oral hearing		
1005 160 2005 80 Provisional filing fee	1451	1,510	1451	1,510	Petition to institute a public use proceeding			
SUBTOTAL (1) (\$) 770.00		110	2452	55	Petition to revive – unavoidable			
( ) ( )	1453	1,300	2453	650	Petition to revive - unintentional			
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE  Extra Fee from	1501	1,300	2501	650	Utility issue t		ue)	
Claims below Fee Paid	1502	470	2502	235	Design issue			
Total Claims 24 -20** = 4 x 18 = 72.00	1503	630	2503	315	Plant issue f			
Claims 4 -3** = 1 x 86 = 86.00	1460	130	1460	130	Petitions to t			
Multiple Dependent = 158.00	1807	50	1807	50	Processing f	ee under 37	CFR 1.17(q)	
Large Entity Small Entity	1806	180	1806	180			on Disclosure Stmt	
Fee Fee Fee Fee Fee Fee Description	8021	40	8021	40	Recording each patent assignment per property (times number of properties)			
1202 18 2202 9 Claims in excess of 20	1809	750	2809	375	Filing a submission after final rejection			
1201 84 2201 42 Independent claims in excess of 3	1810	750	2810	375	(37 CFR 1.129(a)) For each additional invention to be			
1203 280 2203 140 Multiple dependent claim, if not paid 1204 84 2204 42 ** Reissue independent claims	1801	750	2801	375	examined (37CFR 1.129(b))			
over original patent					Request for Continued Examination (RCE) Request for expedited examination			<del></del>
1205 18 2205 9 ** Reissue claims in excess of 20 and over original patent		1802 900 1802 900 request for expedition expedition  Other fee (specify)						
SUBTOTAL (2) (\$) 15800  **or number previously paid, if greater; For Reissues, see above	*Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$) 0.00							
SUBMITTED BY (Complete (if applicable))								
Name (Print/Type) Ronald P Kanagen	Registration No. 24 104 Telephone (202) 05							
Signature (Attorney/Agent) 24, 104					Date	February 10, 20		